

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,999,521 B1
APPLICATION NO. : 09/471920
DATED : February 14, 2006
INVENTOR(S) : Azadet et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 30, replace " $\alpha_n(\rho_n) = (\alpha_{n-L}(\rho_n), \dots, \alpha_{n-1}(\rho_n))$ " with

-- $\hat{\alpha}_n(\rho_n) = (\hat{\alpha}_{n-L}(\rho_n), \dots, \hat{\alpha}_{n-1}(\rho_n))$ --.

Column 7, line 36, replace " $\alpha = (\alpha_{n-L}, \dots, \alpha_{n-1})$ " with -- $\tilde{\alpha} = (\tilde{\alpha}_{n-L}, \dots, \tilde{\alpha}_{n-1})$ --.

Column 7, line 50, replace " $\lambda_n(z_n, \alpha_n, \alpha) = (z_n - \alpha_n + \tilde{u}(\alpha))^2$ " with

-- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha}) = (z_n - a_n + \tilde{u}(\tilde{\alpha}))^2$ --.

Column 7, line 55, replace " $\lambda_n(z_n, \alpha_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

Column 7, line 64, replace " $\lambda_n(z_n, \alpha_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

Column 7, line 65, replace " $\alpha_n(\rho_n)$ " with -- $\hat{\alpha}_n(\rho_n)$ --.

Column 7, line 67, replace " $\lambda_n(z_n, \alpha_n, \rho_n) = \text{sel}\{\Lambda_n(z_n, a_n, \rho_n), \alpha_n(\rho_n)\}$ "

with -- $\lambda_n(z_n, a_n, \rho_n) = \text{sel}\{\Lambda_n(z_n, a_n, \rho_n), \hat{\alpha}_n(\rho_n)\}$ --.

Column 8, line 2, replace " $\lambda_n(z_n, \alpha_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

Column 8, line 17, replace " $\tilde{u}(\alpha)$ " with -- $\tilde{u}(\tilde{\alpha})$ --.

Column 8, line 20, replace " $\lambda_n(z_n, \alpha_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

Column 9, line 19, replace " $\lambda_{n,j}(z_{n,j}, a_{n,j}, \alpha_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\alpha_j))^2$ "

with -- $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\tilde{\alpha}_j))^2$ --.

Column 9, line 28, replace " $\alpha_j = (\alpha_{n-L,j}, \dots, \alpha_{n-1,j})$ " with -- $\tilde{\alpha}_j = (\tilde{\alpha}_{n-L,j}, \dots, \tilde{\alpha}_{n-1,j})$ --.

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Column 9, line 31, replace " α_j " with -- $\tilde{\alpha}_j$ --.

Column 9, line 33, replace " $\lambda_{n,j}(z_{n,j}, \alpha_{n,j}, \alpha_j)$ " with -- $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j)$ --.

Column 9, line 54, replace " $\lambda_{n,j}(z_{n,j}, \alpha_{n,j}, \rho_n) = \text{sel}\{\Lambda_{n,j}(z_{n,j}, a_{n,j})\alpha_{n,j}(\rho_n)\}$ " with -- $\lambda_{n,j}(z_{n,j}, a_{n,j}, \rho_n) = \text{sel}\{\Lambda_{n,j}(z_{n,j}, a_{n,j})\hat{\alpha}_{n,j}(\rho_n)\}$ --.

Column 9, line 57, replace " $\lambda_{n,j}(z_{n,j}, \alpha_{n,j}, \alpha_j)$ " with -- $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j)$ --.

Column 9, line 58, replace " α_j " with -- $\tilde{\alpha}_j$ --.

Column 9, line 59, replace " $\alpha_{n,j}(\rho_n)$ " with -- $\hat{\alpha}_{n,j}(\rho_n)$ --.

Column 11, line 25, replace " $\alpha_{n-1,j}$ " with -- $\tilde{\alpha}_{n-1,j}$ --.

Column 11, line 27, replace " $\lambda_{n,j}(y_{n,j}, \alpha_{n,j}, \alpha_{n-1,j}) = (y_{n,j} - \alpha_{n,j} - f_{1,j}\alpha_{n-1,j})^2$ " with -- $\tilde{\lambda}_{n,j}(y_{n,j}, a_{n,j}, \tilde{\alpha}_{n-1,j}) = (y_{n,j} - a_{n,j} - f_{1,j}\tilde{\alpha}_{n-1,j})^2$ --.

Column 11, line 46, replace " $\alpha_{n-1,j}(\rho_n)$ " with -- $\hat{\alpha}_{n-1,j}(\rho_n)$ --.

Column 13, line 4, replace " $\lambda_n(z_n, \alpha_n, \alpha) = (z_n - a_n + \tilde{u}(\alpha))^2$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha}) = (z_n - a_n + \tilde{u}(\tilde{\alpha}))^2$ --.

Column 13, line 16, replace " $\alpha = (\alpha_{n-L}, \dots, \alpha_{n-1})$ " with -- $\tilde{\alpha} = (\tilde{\alpha}_{n-L}, \dots, \tilde{\alpha}_{n-1})$ --.

Column 13, line 25, replace " $\lambda_n(z_n, \alpha_n, \alpha)$ using the survivor path $\alpha_n(\rho_n)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ using the survivor path $\hat{\alpha}_n(\rho_n)$ --.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 13, line 27, replace " $\lambda_n(z_n, \alpha_n, \rho_n) = sel\{\Lambda_n(z_n, a_n, \rho_n), \alpha_n(\rho_n)\}$ " with
-- $\lambda_n(z_n, a_n, \rho_n) = sel\{\Lambda_n(z_n, a_n, \rho_n), \hat{\alpha}_n(\rho_n)\}$ --.

Column 13, line 30, replace " $\lambda_n(z_n, \alpha_n, \alpha)$ " with -- $\tilde{\lambda}_n(z_n, a_n, \tilde{\alpha})$ --.

Column 13, line 32 " α and wherein $\alpha_n(\rho_n)$ " with -- $\tilde{\alpha}$ and wherein $\hat{\alpha}_n(\rho_n)$ --.

Column 13, line 60, before "from one" and after "branch" replace "metric" with
-- metrics --.

Column 14, line 1, replace " $\lambda_{n,j}(z_{n,j}, \alpha_{n,j}, \alpha_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\alpha_j))^2$ " with
-- $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\tilde{\alpha}_j))^2$ --.

Column 14, line 10, replace " $\alpha_j = (\alpha_{n-L,j}, \dots, \alpha_{n-1,j})$ " with -- $\tilde{\alpha}_j = (\tilde{\alpha}_{n-L,j}, \dots, \tilde{\alpha}_{n-1,j})$ --.

Column 14, line 18, replace " $\lambda_{n,j}(z_{n,j}, \alpha_{n,j}, \rho_n) = sel\{\Lambda_{n,j}(z_{n,j}, a_{n,j}), \alpha_{n,j}(\rho_n)\}$ " with
-- $\lambda_{n,j}(z_{n,j}, a_{n,j}, \rho_n) = sel\{\Lambda_{n,j}(z_{n,j}, a_{n,j}), \hat{\alpha}_{n,j}(\rho_n)\}$ --.

Column 14, line 20, replace " $\lambda_{n,j}(z_{n,j}, \alpha_{n,j}, \alpha_j)$ " with -- $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j)$ --.

Column 14, line 22, replace " α_j and $\alpha_{n,j}(\rho_n)$ " with -- $\tilde{\alpha}_j$ and $\hat{\alpha}_{n,j}(\rho_n)$ --.

Column 14, line 42, replace " $\lambda_{n,j}(z_{n,j}, \alpha_{n,j}, \alpha_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\alpha_j))^2$ " with
-- $\tilde{\lambda}_{n,j}(z_{n,j}, a_{n,j}, \tilde{\alpha}_j) = (z_{n,j} - a_{n,j} + \tilde{u}_j(\tilde{\alpha}_j))^2$ --.

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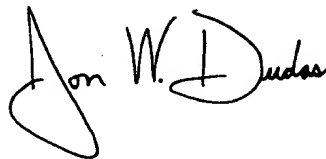
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 14, line 50, replace " $\alpha_j = (\alpha_{n-L_j}, \dots, \alpha_{n-1,j})$ " with -- $\tilde{\alpha}_j = (\tilde{\alpha}_{n-L_j}, \dots, \tilde{\alpha}_{n-1,j})$ --.

Signed and Sealed this

Twenty-eighth Day of November, 2006



JON W. DUDAS
Director of the United States Patent and Trademark Office